From Newcastle.
For Malaysia.

Foundation in Biological and Biomedical Sciences
KPT/JPT(R)/010/3/036108/2025
Thank you for considering Newcastle University Medicine Malaysia (NUMed) as you contemplate your options for your future education.

Newcastle University is a top-20 UK university with a global reputation for academic excellence. We established NUMed as a full-owned international branch campus in 2009, and have already produced over 600 graduates.

The Foundation in Biological and Biomedical Sciences programme (R/010/3/0361) is a 12-month programme and, following successful completion, your award will be conferred by Newcastle University, UK.

Students who successfully complete the Foundation to the required level will automatically be offered a place on either our MBBS programme (subject to interview) or our BSc (Honours) Biomedical Sciences programme at NUMed. Students may also apply to a wide range of programmes offered by Newcastle, UK.

We invite you to study with us and trust that this brochure provides you with all the information you need to make your choice. I hope I will have the opportunity of personally welcoming you to NUMed in the future.

Professor Chris Baldwin
Provost and Chief Executive Officer
Newcastle has become one of 18 universities in the world, and only two in the UK, to achieve five plus QS Stars from Quacquarelli Symonds (QS), the first international assessment of its kind. More than 150 universities in over 35 countries have now signed up for the QS Stars™ rating system.

We are proud to have been awarded five stars in the following areas:

- Teaching
- Student Employability
- Research
- Internationalisation
- Facilities
- Innovation
- Inclusiveness
- Life Sciences & Medicine

The QS Stars™ system is a useful alternative to traditional league tables. It allows you to focus on Newcastle’s excellence against set criteria irrespective of the performance of other universities.
Studying the Foundation in Biological and Biomedical Sciences at NUMed

This programme is a pre-undergraduate Foundation programme for Malaysian and international students intending to study medicine, biological or biomedical sciences, or science at undergraduate level in Malaysia at NUMed, in the UK at Newcastle University or at another Malaysian Higher Education Institution, depending on the final grades achieved.

As such the programme:

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<table>
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<tbody>
<tr>
<td>1</td>
<td>provides students with the intellectual development and subject knowledge they need to be academically capable of studying medicine and/or biomedical science subjects at degree level at NUMed or in another Higher Education Institution</td>
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<tr>
<td>2</td>
<td>equips students with the English language competence they need to study at degree level at NUMed or in another Higher Education Institution</td>
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<td>3</td>
<td>builds a student’s study skills so that they are capable of entering a Higher Education Institution offering a degree level education</td>
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<td>4</td>
<td>provides practical experience of British university teaching methods</td>
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<td>5</td>
<td>enables students to develop confidence in communicating and learning in English</td>
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<td>6</td>
<td>encourages students to undertake self-evaluation to help them identify additional needs</td>
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<td>7</td>
<td>complies with university, MQA and QAA codes of practice</td>
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How to Apply – Entry Requirements and Fees

NUMed has two intakes each year, which are in May and September. Application for our May and September 2021 intakes is now open.

If you already meet the entry requirements (see the ‘Entry Requirements’ section later in this brochure) or have forecast results that meet the requirements by mid-March 2021 or mid-August 2021, then you should apply now using the following procedure:

1. You must apply directly to NUMed. Applicants should download and complete the Application Form from the NUMed website at www.newcastle.edu.my
2. You should return your fully completed Application Form, together with the documents listed below, by e-mail to admissions@newcastle.edu.my
   - A copy of your identity card or passport
   - Transcripts/certificates showing your previous academic awards/examination results
   - Your current academic transcripts or forecast results in your pre-university examination; these must be certified by your school or college
3. Once we have received your application, an acknowledgement e-mail will be sent to you from the NUMed Office
4. Your application will be considered by our Admissions Team; you will then be notified whether you have been offered a place on the Foundation in Biological and Biomedical Sciences programme

The date of registration for enrolment in 2021 is tentatively Monday, 24th May 2021 and Monday, 27th September 2021

Malaysian applicants:
While there is no formal closing date for the receipt of applications, you are encouraged to apply early as the number of applications is high and the number of places available is limited.

International applicants:
The closing date for receipt of international applicants is 19th March 2021 and 16th July 2021. This is to give us enough time to assist you in obtaining your student visa.
A single inclusive fee is charged to cover the costs of tuition, library, laboratory, placement, examination and administration fees, as well as all other academic-related charges for the programme.

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<th>FEES 2021-2022</th>
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<tr>
<td>Malaysian Students</td>
<td>RM 26,780 for the 12-month programme</td>
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<tr>
<td>International Students</td>
<td>RM 29,380 for the 12-month programme</td>
</tr>
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You should note that the fees do not include the cost of living and accommodation in Malaysia. Students studying our Foundation in Biological and Biomedical Sciences programme are strongly advised to stay at the NUMed-managed student accommodation. You will be advised on how to book this once you have been offered a place on the programme.
Entry Requirements

To enter NUMed, applicants must satisfy the academic, English language proficiency and age requirements of the university for the Foundation in Biological and Biomedical Sciences as set out below. Selection will be based on a combination of:

• your school examination results (or forecast results)
• your proficiency in English

We recognise that applicants will possess a range of qualifications. While we consider each applicant on an individual basis, taking into account the information you provide in your application including your past academic performance and potential, you need to demonstrate a high level of academic achievement and excellent results in your school examinations.

The examination grade requirements given in the table below are indicative only:

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<th>EXAMINATIONS</th>
<th>REQUIREMENTS/ GRADES</th>
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<tbody>
<tr>
<td>SPM/IGCSE or equivalent</td>
<td>4As &amp; 1B in Biology, Chemistry, Physics, Mathematics (or Additional Mathematics) and another subject</td>
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Applicants with qualifications other than those listed above should e-mail admissions@newcastle.edu.my to check if the qualifications are acceptable or not.

If you accept an offer from NUMed, you must provide us with original or certified copies of your qualification documents prior to commencing the course.

You must be proficient in both spoken and written English. You can demonstrate this through the IELTS test or equivalent (e.g. TOEFL, MUET, English O-Levels or SPM 1119). An IELTS minimum overall score of 5, with no individual band less than 4.5, must be achieved.

You must be at least 16 years old at the time of enrolment.

All potential students are required to disclose at the time of application whether they have any criminal record which may deem them unsuitable to study at NUMed. You are invited to discuss with NUMed the relevance of any caution or conviction you may have received at the time of application. We reserve the right to withdraw an offer if an applicant does not declare any relevant caution or conviction in their application.

Also, NUMed reserves the right to discontinue a student’s studies if evidence of criminal activity comes to light during the course of their studies.
**Special Consideration/Disadvantage**

Any statement regarding circumstances which may have seriously impaired your studies in the final year of your school education that you may wish to put forward for special consideration must be submitted at the time of application. You should note that NUMed will not give special consideration to such statements made at a later time.

**Deferment**

If you are accepted onto the programme, but wish to defer your place until 2022, please let us know. A deposit will be required for your deferment to be accepted.

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**The Vice Chancellor’s NUMed Merit Awards**

Top student who excel in FIS programme will be considered for Vice Chancellor’s Merit Awards. Each award is for one year and is equivalent in value to 10% of the annual fee.
Accepting an Offer

Once you receive a placement in the programme, you must follow the instructions below to confirm the placement:

1. **Accepting your offer**
   Upon accepting the offer, kindly complete the Offer Acceptance form together with the offer letter to admissions@newcastle.edu.my by the date stipulated in your offer letter.

2. **Confirmation of your acceptance**
   Upon receiving of your completed Offer Acceptance form, Admissions team will send you an e-mail confirming your acceptance, together with instructions for the payment of a deposit to secure your place.

3. **Paying your deposit**
   Upon accepting the offer, a deposit of RM3000 should be paid to secure the placement. The deposit will be deducted from the total study fees once commencing the programme.

   Payment must be made by the date stipulated in your original offer letter. An official receipt will be issued to you once we have received the payment.

   An unconditional offer letter will be issued if the applicant meet all the requirements mentioned previously and the deposit will be non-refundable.

   A conditional offer letter will be issued if the applicant have not the completed the study candidature. A refundable deposit will be issued if the applicant results did not meet the stated requirements. If the applicant accepted the offer and meet the stated requirements, but decided not to proceed with the programme, the deposit will not be refunded.

4. **Advance Visa Payment**
   You are required to make an advance visa payment for the application of student pass. The advance visa payment is inclusive of the processing fee to EMGS, post-medical screening, one (1) year of insurance premium, i-kad, E-VAL, courier charges, service tax and one (1) year of the visa fee to the Malaysia Immigration office.

5. **Next steps**
   Once we have received your deposit, we will send you Student Accommodation information. You will receive our Welcome Pack and information on enrolment and induction in April 2021 and August 2021.
Outline of the Foundation in Biological and Biomedical Sciences Programme

The curriculum is arranged with eight modules (180 UK credits) being studied over three semesters as follows.

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<tr>
<th>Module Name</th>
<th>Credits</th>
<th>Sem 1</th>
<th>Sem 2</th>
<th>Sem 3</th>
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<tbody>
<tr>
<td>Foundation Biology 1</td>
<td>20</td>
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<td></td>
<td></td>
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<tr>
<td>Foundation Biology 2</td>
<td>20</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Foundation Chemistry</td>
<td>20</td>
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<tr>
<td>Foundation Physics</td>
<td>20</td>
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<tr>
<td>Foundation Medical Studies</td>
<td>20</td>
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<tr>
<td>Foundation Mathematics and Statistics</td>
<td>20</td>
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<tr>
<td>English for Academic Purposes</td>
<td>40</td>
<td></td>
<td></td>
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<tr>
<td>Study Skills and ICT for Science and Medicine</td>
<td>20</td>
<td></td>
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Foundation Biology 1
Biology 1 introduces the key concepts of cell, including the structure and function of biological molecules, cell structures (prokaryotic and eukaryotic), cell differentiation, tissue types and the cell cycle.

Foundation Biology 2
This module builds upon anatomy and physiology of human body, biochemistry of respiration and related human diseases.

Foundation Chemistry
This module introduces the fundamental principles of physical, organic and inorganic chemistry.

Foundation Physics
This module introduces key concepts and principles of physics including mechanics, energy, electricity and thermal physics.

Foundation Medical Studies
This module introduces students to a range of aspects of medicine and medical science, and prepares students for potential entry to the undergraduate MBBS programme at NUMed. Students are introduced to the history of medicine, standards of professionalism and regulation of medicine. Further to this, students will be introduced to the concept of being a reflective practitioner and the professional role of a doctor, medical ethics and a range of global health issues.

Foundation Mathematics and Statistics
This module introduces key concepts in mathematics and statistics, including simple statistical methods, equations and manipulation of equations, and the use of exponential notation in calculations.
The curriculum is arranged with eight modules being studied over three semesters

English for Academic Purposes
Throughout this module, students will develop their English, vocabulary, pronunciation and writing style with particular reference to academic English. This includes the use and understanding of spoken English in academic and social contexts, developing reading and writing techniques for academic study and learning how to read challenging academic texts.

Study Skills and ICT for Science and Medicine
This module introduces students to the academic culture of UK Higher Education including the contested nature of knowledge, critical approaches to study and independent learning.
Teaching and Assessment

Teaching and Learning
The Foundation in Biological and Biomedical Sciences programme is delivered at NUMed under the authority of Newcastle University, UK.

The teaching and learning strategy is designed to encourage a progressive acquisition of knowledge and understanding.

Knowledge and understanding is primarily taught through lectures and practical laboratory sessions supported by seminar discussions and tutorials. English is primarily taught in smaller classes and reinforced through practice. Case studies and project work will involve an element of student research.

During the first week of the first semester you will attend an induction programme. New students are given a general introduction to campus life, the university’s principal support services and general information about EduCity as well as NUMed and its programmes. New students are given detailed programme information and the timetable for lectures/practicals/tutorials/etc.

Assessment
The Foundation programme at NUMed mirrors the Foundation programme offered at Newcastle University, UK. The principles of Constructive Alignment underpin the delivery of the programme, where teaching, learning outcomes and assessment are intrinsically linked. The components of the programme can be broken down into four areas: knowledge and understanding of the subject, intellectual skills which are applied in your future studies, practical skills, and transferable skills for your future careers and life.

Knowledge and skills, written coursework (such as numerical exercises, essays, case studies, project reports and laboratory reports), in-course tests and the student’s ability to carry out specific practical experiments.

Transferable skills are addressed through group work, oral presentations, case studies, essays and laboratory reports. Students are also encouraged to prepare a reflective log.
After You Graduate

Upon successful completion of the programme, you will be awarded the Foundation in Biological and Biomedical Sciences, which will be conferred by Newcastle University, UK.

Progression to Programmes at NUMed

Students who successfully complete the Foundation in Biological and Biomedical Sciences to the required level will be automatically offered a place on either our MBBS programme (subject to interview) or our 2 + 1 BSc (Hons) Biomedical Sciences programme.

To qualify for admission to the MBBS programme at NUMed, you must achieve CGPA of 3.50 and average grades of 75% with 70% in English for Academic Purposes, 75% in Biology 1, Biology 2 and Chemistry, and 70% in Foundation Medical Studies.

To qualify for admission to the 2 + 1 BSc (Hons) Biomedical Sciences programme offered at NUMed and Newcastle University, UK, you must achieve CGPA of 3.00 and average grades of 65% with 65% in English for Academic Purposes, 70% in Biology 1 and Biology 2, and 55% in Chemistry.

Progression to Programmes at Newcastle University, UK

Students who successfully complete the Foundation in Biological and Biomedical Sciences to the required level will be automatically offered a place on a wide variety of programmes at Newcastle University, UK, in both the Faculty of Medical Sciences including: Bachelor of Medicine, Bachelor of Surgery (MBBS) (subject to interview), Pharmacy (MPharm), Biomedical Sciences (BSc or MSci), Biochemistry (BSc or MSci), Biomedical Genetics (BSc or MSci), Physiological Sciences (BSc), Pharmacology (BSc), Sports and Exercise (BSc), Food and Human Nutrition (BSc) and Psychology (BSc), and the Faculty of Science, Agriculture and Engineering including: Biology (BSc), Animal Science (BSc), Environmental Science (BSc), Agriculture (BSc), Agri-Business Management (BSc), Marine Biology (BSc), Chemistry (BSc and MChem) and Speech and Language Science (BSc).

Full details of progression criteria for all of these programmes can be obtained at admissions@newcastle.edu.my.
Student Life at NUMed

Living Expenses

Living expenses depend on your financial resources, and interests.

For instance, the estimated living costs in Johor Bahru will be around RM2000 monthly inclusive of the accommodation fee.

If you elect to undertake any period of study at our UK campus, you should allow approximately RM6,000 per month for living costs in Newcastle.

Recreation and the EduCity Iskandar Malaysia Sports Complex

As a NUMed student, you will have access to the sports, social and recreational facilities provided on campus, provided by EduCity Iskandar Malaysia.

The common facilities shared by all students at EduCity include the world-class stadium and sports complex, which opened in August 2013. This sports complex includes:

- Outdoor arena and pitches for field sports and athletics
- Indoor arena and facilities for sports such as badminton, volleyball, etc.
- 50-metre swimming pool
- Gymnasium
Disclaimer

Although great care is taken in compiling the Guide, it is for the general guidance of prospective students only. This publication is intended for those who are interested in applying for admission to the University in 2021 and is intended as advance publicity for information and guidance purposes only. Details included are correct at the time of going to print in September 2020. The most up-to-date and detailed source of information at any time is the undergraduate website at https://www.ncl.ac.uk/numed/study/undergraduate/.

The matters covered by this publication are subject to change from time to time, both before and after a candidate’s admission. Unavoidable changes may on occasion have to be made affecting the availability of programmes, subjects, modules and options within programmes, and of additional opportunities such as placements, field trips and exchange visits. Reasons for change could include timetabling issues, changes in staff requirements of programme-accrediting bodies and academic changes within subject areas, or be due to minimum student numbers on a course.

The University is not responsible for the content of any websites which do not form part of the Newcastle University Medicine Malaysia domain (https://www.ncl.ac.uk/numed/) and whose addresses are given in this publication.